TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2017-01-30-01** **Date: 10-02-17**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & Construction of CC Road Jain temple 1st, 2nd, 3rd, 4th & 5th Cross roads MTS Colony main Road at Ward No.15 Dasarahalli.(2nd Call)
Customer's Reference	:	EE/DD/WO/112/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-01-17
Sample ID No	:	2017-01-30-01/03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS: 383 - 1970 (RA2016) (Specification for Coarse and fine Aggregates from natural sources for concrete IS: 2386 :1963(Part - 1, 2, 3) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 2: Estimation of Deleterious Materials and Organic Impurities. IS 2386 Part 3: Specific gravity, Density, Voids,Water Abservation
Date of test	:	01-02-17
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:1970			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0	100	100	100	100	100
2	4.75 mm	22	22	2.2	97.8	90-100	90-100	90-100	95-100
3	2.36 mm	45	67	6.7	93.3	60-95	75-100	85-100	95-100
4	1.18 mm	244	311	31.1	68.9	30-70	55-90	75-100	90-100
5	600 micron	362	673	67.3	32.7	15-34	35-59	60-79	80-100
6	300 micron	143	816	81.6	18.4	5-20	8-30	12-40	15-50
7	150 micron	106	922	92.2	7.8	0-10	0-10	0-10	0-15
8	Pan	78	1000	100	0	---	---	---	---
Result :The tested Sample Conforms to Grading Zone I									

CIVIL Pro Sig..... Date..... BANGALORE

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-01-30-01** **Date: 10-02-17**

Sample ID No : 2017-01-30-01/03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-1970 (RA2016)
1	Water Absorption(%)	3.02	–
2	Specific Gravity	2.58	–
3	Material finer than 75 micron(%)	7.1	Not more than 15 percent

Note:
The results pertain to the samples received and tested.
All information furnished by the Customer/ Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

FOR CIVIL Pro.
CIVIL PRO Sig..... Date..... BANGALORE
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪ.ಡಾ.ಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-01-30-01** **Date: 08-02-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & Construction of CC Road Jain temple 1st, 2nd, 3rd, 4th & 5th Cross roads MTS Colony main Road at Ward No.15 Dasarahalli.(2nd Call)
Customer Reference	:	EE/DD/WO/112/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-01-17
Sample ID No	:	2017-01-30-01/02(a)
Sample Type/ Size	:	20mm down size Coarse aggregate
Reference to BIS codes	:	IS: 383 - 1970 (RA2016) (Specification for Coarse and fine Aggregates from natural sources for concrete IS: 2386 :1963(Part - 1, 2, 3) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 2: Estimation of Deleterious Materials and Organic Impurities. IS 2386 Part 3: Specific gravity, Density, Voids,Water Abservation
Date of test	:	31-01-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:1970
1	40 mm	0	0	0	100	100
2	20 mm	98	98	1.96	98.04	95-100
3	10 mm	2289	2387	47.74	52.26	25-55
4	4.75 mm	2571	4958	99.16	0.84	0-5
5	Pan	42	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-01-30-01** **Date: 08-02-2017**

Sample ID No : 2017-01-30-01/02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-1970
1	Flakiness Index(%)	10.8	_
2	Elongation Index(%)	9.6	_
3	Specific Gravity	2.66	_
4	Bulk Density(Loose) (Kg/l)	1.54	_
5	Bulk Density(Compacted) (Kg/l)	1.59	_
6	Water Absorption(%)	2.09	_
7	Ten percent fine value(KN)	210.5	_
8	Aggregate crushing Value(%)	25.1	Shall not exceed 45% by weight for aggregates used for concrete other than for wearing surface and 30% by weight for concrete for wearing surfaces such as runways, roads, pavements
9	Aggregate Impact Value(%)	22.6	Shall not exceed 45% by weight for aggregates used for concrete other than for wearing surface and 30% by weight for concrete for wearing surfaces such as runways, roads, pavements

Note:

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Prepared by
Harshitha

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Technical Manager

End of Report

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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